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This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

 (Currently Amended). A process for purifying at least one silicone containing monomer comprising the steps of contacting <u>said</u> at least one silicone containing monomer of Formula I or II

$$R^{1}$$
 R^{2}
 R^{7} R^{6} C_{1} C_{2} C_{3} C_{4} $C_{$

$$\begin{matrix} R^1 & R^2 & R_2 & R^5 \\ R^7 - R^6 - \frac{1}{Q} - R^8 - \frac{1}{S} - \frac{1}{Q} - \frac{1}{Q} - R^6 - R^7 \\ R^5 & R^4 & R^4 \end{matrix}$$

wherein:

n is an integer between 3 and 35,

R1 is hydrogen, C1.6alkyl;

 R^2 , R^3 , and R^4 , are independently, C_{1-6} alkyl, tri C_{1-6} alkylsiloxy, phenyl, naphthyl, substituted C_{1-6} alkyl, substituted phenyl, or substituted naphthyl

where the alkyl substitutents are selected from one or more members of the group consisting of C_{1-c}alkoxycarbonyl, C_{1-c}alkyl, C_{1-c}alkoxy, amide, halogen, hydroxyl, carboxyl, C_{1-c}alkylcarbonyl and formyl, and

where the aromatic substitutents are selected from one or more members of the group consisting of C_{L6}alkoxycarbonyl, C_{L6}alkyl, C_{L6}alkoxy, amide, halogen, hydroxyl, carboxyl, C_{L6}alkylcarbonyl and formyl;

 R^5 is hydroxyl, an alkyl group containing one or more hydroxyl groups; or $(CH_2(CR^0R^{10})_yO)_x)-R^{11}$ wherein y is 1 to 5, preferably 1 to 3, x is an integer of 1 to 100, preferably 2 to 90 and more preferably 10 to 25; R^9-R^{11} are independently

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selected from H, alkyl having up to 10 carbon atoms and alkyls having up to 10 carbon atoms substituted with at least one polar functional group,

R⁶ is a divalent group comprising up to 20 carbon atoms;

 \mathbb{R}^7 is a monovalent group that can undergo free radical and/or ionic polymerization and comprising up to 20 carbon atoms;

 R^8 is a divalent group comprising up to 20 carbon atoms with a supercritical fluid having a density of between about 0.2 and about 1 g/ml, decreasing said density so that two phases are formed a first phase comprising said at least one silicone

said density so that two phases are formed a first phase comprising said at least one silicone containing monomer and a second phase comprising at least one impurity and separating said second phase from said first phase.

- (Original). The process of claim 1 wherein said supercritical fluid is selected from the group consisting of carbon dioxide, ethane, ethylene, propane, propylene, chlorotrifluoromethane and mixtures thereof.
- (Original). The process of claim 1 wherein the supercritical fluid comprises carbon dioxide.
- (Original). The process of claim 1 wherein the supercritical fluid has a density of between about 0.4 and about 0.8 g/ml.
- 5. (Original). The process of claim 1 wherein the contacting step comprises at least two stages a first stage and a second stage wherein the density of said supercritical fluid is lower than the density in the first stage.
- 6. (Original). The process of claim 5 wherein the density of the supercritical fluid in the first first stage is between about 0.4 and about 0.8 g/ml and the density of the supercritical fluid in the second stage is between about 0.1 g/ml and about 0.4 g/ml.
- (Original). The process of claim 5 further comprising at least one additional contacting stage.
- 8. (Original). The process of claim 5 wherein the contacting step comprises at least three stages and the density of the supercritical fluid in the first stage is between about 0.5 and about 0.7 g/ml, the density of the supercritical fluid in the second stage is between about 0.3 g/ml and about 0.5 g/ml and the density of the supercritical fluid in a third stage is between about 0.1 g/ml and about 0.3 g/ml.

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- 9. (Original). The process of claim 5 wherein the contacting step comprises at least four stages and the density of the supercritical fluid in the first stage is between about 0.5 and about 0.7 g/ml, the density of the supercritical fluid in the second stage is between about 0.3 g/ml and about 0.5 g/ml, the density of the supercritical fluid in a third stage is between about 0.15 g/ml and about 0.35 g/ml and the density of the supercritical fluid in a fourth stage is between about 0.11 g/ml and about 0.3 g/ml.
- 10. (Original). The process of claim 1 wherein said contacting step is conducted under conditions comprising pressures from about 1,000 psi to about 5,000 psi and temperatures greater than about 31°C.
- (Original). The process of claim 1 wherein said contacting step is conducted under conditions comprising pressures from about 2,000 psi to about 3,000 psi and temperatures between about 31 and about 80°C.

12. (Canceled).

13. (Previously presented). The process of claim 1 wherein the silicone containing monomer comprises at least one polymerizable group.

14. (Canceled).

15. (Previously Presented). The process of claim 1 wherein R¹ is hydrogen; R²,R³, and R⁴, are independently selected from the group consisting of C₁₋₆alkyl and triC₁₋₆alkylsiloxy;

R5 is hydroxyl, -CH2OH or -CH2CHOHCH2OH,

 R^6 is a divalent $C_{1\text{-6}}$ alkyl, $C_{1\text{-6}}$ alkyloxy, $C_{1\text{-6}}$ alkyloxy $C_{1\text{-6}}$ alkyl, phenylene, naphthalene, $C_{1\text{-12}}$ cycloalkyl, $C_{1\text{-6}}$ alkoxycarbonyl, amide, carboxy, $C_{1\text{-6}}$ alkylcarbonyl, carbonyl, $C_{1\text{-6}}$ alkoxy, substituted $C_{1\text{-6}}$ alkyloxy, substituted $C_{1\text{-6}}$ alkyloxy, substituted $C_{1\text{-6}}$ alkyloxy $C_{1\text{-6}}$ alkyl, substituted phenylene, substituted naphthalene, substituted $C_{1\text{-12}}$ cycloalkyl, where the substituents are selected from one or more members of the group consisting of $C_{1\text{-6}}$ alkoxycarbonyl, $C_{1\text{-6}}$ alkyl, $C_{1\text{-6}}$ alkoxy, amide, halogen, hydroxyl, carboxyl, $C_{1\text{-6}}$ alkylcarbonyl and formyl;

R⁷ comprises a free radical reactive group selected from the group consisting of acrylate, styryl, vinyl, vinyl ether, itaconate group, C₁₋₆alkylacrylate, acrylamide, C₁₋₆alkylacrylamide, N-vinyllactam, N-vinylamide, C₂₋₁₂alkenyl, C₂₋₁₂alkenylphenyl, C₂₋₁₂alkenylnaphthyl and C₂₋₆alkenylphenylC₁₋₆alkyl;

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 R^8 is selected from the group consisting of divalent $C_{1\text{-}6}$ alkyl, $C_{1\text{-}6}$ alkyloxy, $C_{1\text{-}6}$ alkyloxy, $C_{1\text{-}6}$ alkyl, phenylene, naphthalene, $C_{1\text{-}2}$ cycloalkyl, $C_{1\text{-}6}$ alkoxycarbonyl, amide, carboxy, $C_{1\text{-}6}$ alkylcarbonyl, carboxyl, $C_{1\text{-}6}$ alkyloxy, substituted $C_{1\text{-}6}$ alkyloxy, substituted $C_{1\text{-}6}$ alkyloxy, substituted phenylene, substituted naphthalene, substituted $C_{1\text{-}2}$ cycloalkyl, where the substituents are selected from one or more members of the group consisting of $C_{1\text{-}6}$ alkoxycarbonyl, $C_{1\text{-}6}$ alkyl, $C_{1\text{-}6}$ alkoxy, amide, halogen, hydroxyl, carboxyl, $C_{1\text{-}6}$ alkylcarbonyl and formyl.

16. (Previously presented). The process of claim 1 wherein the silicone containing monomer is selected from the group consisting of

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and

where n = 1-50 and R is independently selected from H and polymerizable unsaturated group, with at least one R is a polymerizable group, and at least one R is H.

17. (Previously presented). The process of claim 15 wherein said silicone containing monomer comprises

- 19. (Canceled).
- 20. (Canceled).
- 21. (Canceled).